VIDEO SUMMARY DESCRIPTION SCHEME AND METHOD AND SYSTEM OF VIDEO SUMMARY DESCRIPTION DATA GENERATION FOR EFFICIENT OVERVIEW AND BROWSING

ABSTRACT OF THE DISCLOSURE

The present invention relates to a video summary description scheme for describing video summary by meta data. The video summary provides overview functionality, which makes feasible to understand overall contents of the original video within short time and navigation and browsing functionalities, which make feasible to search the desired video contents efficiently.

According to the present invention the HierarchicalSummary Description Scheme (DS) comprises at least one HighlightLevel DS and selectively comprises the SummaryThemeList DS. The HighlightLevel DS describes highlight level and may have zero or at least one lower HighlightLevel DS. The HighlightLevel DS comprises one or more HighlightSegment DS which is describing highlight segment information constituting the video summary of the highlight level. The HighlightSegment DS comprises the VideoSegmentLocator DS for describing the time information of corresponding segment interval. Also, the HighlightSegment DS may comprise the ImageLocator DS for describing the representative image information of corresponding segment, the SoundLocator DS for describing the representative sound information, and the AudioSegmentLocator DS for describing the audio segment information constituting the audio summary.

L:\300055 - ETRI\468\468-AP.DOC